

Annual Inspections and Replacements

Annual Processor Inspections and Replacements					
Component	Procedure	Fail Criteria	Corrective Action	Reference Manuals	Authorized Personnel
Blower	Replace the blower every ten years or 15,000 hrs. (whichever comes first).			Section 15 / Page 53 Section 15 / Page 55	VST ASC Level C
Vacuum pump	Replace blower every ten years or 15,000 hrs. (whichever comes first).				
Vacuum pump drive coupling - rubber insert	Visually inspect the drive coupling between the vacuum pump and the motor for wear	Rubber debris is found on or around the vacuum-pump base.	Replace the drive coupling rubber insert	Section 15 / Page 62	
Heat Trace Cable	Check the temperature of the membrane housing Section 15 / Page 41	If the membrane housing temperature is outside the 100°-150°F range.	Replace the heat- trace cable	Section 15 / Page 64	
HC Sensor	Test the HC sensor (EO-VR-203: Exhibit 6)	The difference shall be within $\pm 1.0\%$ HC concentration from the calibration gas concentration. Record "Pass" if within $\pm 1.0\%$ or "Fail" if not within $\pm 1.0\%$.	Replace the HC Sensor	Section 15 / Page 76 EO-VR-203: Exhibit 6	

Preventative Maintenance Checklist Form

Component	Frequency	Date Inspected	Completed	Required Action Items
PROCESSOR	Yearly			
Inspect drive coupling on the vacuum pump			[]	
Check temperature of the membrane housing			[]	
RECIRCULATION BLOWER				
Replace every 10 years or 15,000 hours, whichever comes first			[]	
VACUUM PUMP				
Replace every 10 years or 15,000 hours, whichever comes first			[]	

Annual System Compliance Testing	
Static Pressure Test:	TP-201.3 EO-VR-203: Exhibit 4
Dynamic Back Pressure Test:	TP-201.4
Liquid Removal Test Procedure:	EO-VR-203: Exhibit 5
Hydrocarbon Sensor Verification Test:	EO-VR-203: Exhibit 6
Vapor Pressure Sensor Verification Test:	EO-VR-203: Exhibit 8
VST Processor Activation Test:	EO-VR-203: Exhibit 9
Nozzle Bag Test Procedure:	EO-VR-203: Exhibit 10